



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/581,832

06/05/2006

Matthieu Richard

3741

7186

7590
Striker Striker & Stenby
103 East Neck Road
Huntington, NY 11743

12/02/2010

EXAMINER

LEGASSE JR, FRANCIS M

ART UNIT

PAPER NUMBER

2878

MAIL DATE

DELIVERY MODE

12/02/2010

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

**Supplemental
Notice of Allowability**

Application No.

10/581,832

Examiner

FRANCIS M. LEGASSE JR

Applicant(s)

RICHARD, MATTHIEU

Art Unit

2878

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 20 September 2010.
2. ☒ The allowed claim(s) is/are 1,3,4,6 and 8-12.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 19 November 2010
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date ____.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____.

/Thanh X Luu/
Primary Examiner, Art Unit 2878

**SUPPLEMENTAL EXAMINER'S AMENDMENT AND STATEMENT OF REASONS
FOR ALLOWANCE**

Response to Arguments

Applicant's arguments, see Remarks, filed 20 September 2010, with respect to claims 1, 3, 4, 6 and 8-12 have been fully considered and are persuasive. The 35 USC 102(b) and 35 USC 103(a) rejections of claims 1, 3, 4, 6 and 8-12 have been withdrawn.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney I. Zborovsky on 30 September 2010.

The application has been amended as follows:

PLEASE AMEND TO CLAIM 1

CLAIM 1 An intrusion detector including a sensor arrangement for detecting a liquid (C) applied on an exposed surface (100, 120, 160, 170) to render the intrusion detector inoperable, the sensor arrangement comprising:

at least one transparent elevation (12, 22, 32, 42, 52, 62, 72) formed on the exposed surface (100, 120, 160, 170), wherein the transparent elevation (12, 22, 32, 42, 52, 62, 72) is made of a first transparent material (B), wherein at least one first facet

Art Unit: 2878

(110, 111, 171, 172, 181) of the transparent elevation (12, 22, 32, 42, 52, 62, 72) defines a first angle (α , β) with the exposed surface (100, 120, 160, 170), and wherein the first angle (α , β) is larger than an angle at which a total reflection occurs at an interface of the first transparent material (B) and air (A) and is smaller than an angle at which a total reflection occurs at an interface of the first transparent material (B) and the liquid (C) applied on the exposed surface to render the intrusion detector inoperable;

at least one second elevation (12, 22, 32, 42, 52, 62, 72; 79) having a second facet (179) formed adjacent to the first facet (110, 111, 171, 172, 181) of the transparent elevation (12, 22, 32, 42, 52, 62, 72), wherein the second facet (179) defines a second angle with the exposed surface (100, 120, 160, 170), which second angle is larger than 75° in order to enhance capillarity effects of the liquid (C) applied on the exposed surface to render the intrusion detector inoperable;

a light source (13, 23, 33, 43, 53, 63, 73) arranged for emitting an incident ray (r) into a first direction such that the incident ray (r) passes through the exposed surface (100, 120, 160, 170) into one of the transparent elevation (12, 22, 32, 42, 52, 62, 72) and the second elevation (12, 22, 32, 42, 52, 62, 72; 79), such that in a presence of the liquid (C) at one of the first facet (110, 111, 171, 172) and the second facet (179), the incident ray is transmitted through the first facet (110, 111, 171, 172) or the second facet (179), wherein in an absence of the liquid (C), the incident ray is reflected due to a total reflection at the first facet (110, 111, 171, 172) or the second facet (179); and

a light detector (14, 24, 34, 44, 54, 64, 74) for detecting the reflected incident ray (r') at one of the first facet and the second facet ~~and~~ to recognize that the liquid (C) is applied to the exposed surface to render the intrusion detector inoperable.

PLEASE AMEND TO CLAIM 10

Claim 10 The sensor arrangement according to claim [[5]]1 characterized in that the second elevations are provided with a top facet being substantially parallel to the surface or regions such that a ray emitted via a signaling optical light source passes the elevation at the top facet.

Allowable Subject Matter

Claims 1, 3, 4, 6 and 8-12 are allowed over the prior art of record.

The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the prior art of record fails to teach alone or in combination an intrusion detector including a sensor arrangement for detecting a liquid (C) applied on an exposed surface (100, 120, 160, 170) to render the intrusion detector inoperable, the sensor arrangement comprising, along with the other claimed features, at least one second elevation (12, 22, 32, 42, 52, 62, 72; 79) having a second facet (179) formed adjacent to the first facet (110, 111, 171, 172, 181) of the transparent elevation (12, 22, 32, 42, 52, 62, 72), wherein the second facet (179) defines a second angle with the exposed surface (100, 120, 160, 170), which second angle is larger than 75° in order to enhance capillarity effects of the liquid (C) applied on the exposed surface to render the intrusion detector inoperable a light detector (14, 24, 34, 44, 54, 64, 74) for detecting the reflected incident ray (r') at one of the first facet and the second facet to recognize that

Art Unit: 2878

the liquid (C) is applied to the exposed surface to render the intrusion detector inoperable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANCIS M. LEGASSE JR whose telephone number is (571)272-9798. The examiner can normally be reached on Monday thru Thursday 9:00 am to 7:30 pm E.S.T.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Georgia Y. Epps can be reached on (571) 272-2328. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

Application/Control Number: 10/581,832

Page 6

Art Unit: 2878

USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Francis M LeGasse Jr/
Examiner, Art Unit 2878

/Thanh X Luu/
Primary Examiner, Art Unit 2878